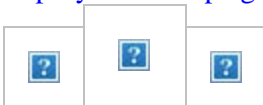


From: [Sheldrake, Sean](#)
To: ["BAYUK Dana"; Gustavson, Karl; Schroeder, Paul R CIV USARMY CEERD-EL \(US\); Lance Peterson \(PetersonLE@cdmsmith.com\)](#)
Cc: ["GREENFIELD Sarah"](#)
Subject: RE: [External]RE: Gasco Sediments Project Next Steps (sf6)
Date: Wednesday, November 29, 2017 1:11:00 PM
Attachments: [image001.png](#)
[image003.png](#)
[image005.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)
[image012.png](#)
[image013.png](#)
[image014.png](#)
[image015.png](#)
[image016.png](#)
[image017.png](#)

Dana, Happy to put that on the agenda—thanks for highlighting that.

S

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From: BAYUK Dana [mailto:Dana.BAYUK@state.or.us]
Sent: Wednesday, November 29, 2017 12:33 PM
To: Sheldrake, Sean <sheldrake.sean@epa.gov>; Gustavson, Karl <Gustavson.Karl@epa.gov>; Schroeder, Paul R CIV USARMY CEERD-EL (US) <Paul.R.Schroeder@usace.army.mil>; Lance Peterson (PetersonLE@cdmsmith.com) <PetersonLE@cdmsmith.com>
Cc: 'GREENFIELD Sarah' <Sarah.GREENFIELD@state.or.us>
Subject: RE: [External]RE: Gasco Sediments Project Next Steps (sf5)

Afternoon Sean.

No comments on the agenda topics other than to note what is not id'ed for discussion...any of the EPA/DEQ comments on the HC&C system and riverbank.

It's unclear whether they have accepted the comments and will incorporate them into the revised work plan; will bring questions up during subsequent calls; or plan to address them as part of the uplands FS work.

I wouldn't mind briefly hearing Bob's perspective on when and how overlapping uplands and in-water remedy planning and design elements are going to be handled. Maybe during the discussion

of RALs vs. Cleanup Levels.

Thanks for sending the agenda our way. Appreciate being kept in the loop.

Dana

Mr. Dana Bayuk
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please consider the environment before printing this email

From: Sheldrake, Sean [<mailto:sheldrake.sean@epa.gov>]
Sent: Wednesday, November 29, 2017 9:39 AM
To: Gustavson, Karl; Schroeder, Paul R CIV USARMY CEERD-EL (US); Lance Peterson (PetersonLE@cdmsmith.com)
Cc: BAYUK Dana
Subject: FW: [External]RE: Gasco Sediments Project Next Steps (sf5)

Thoughts on the draft agenda? I can ask Lance/CDM to edit.

S

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From: Wyatt, Robert [<mailto:rjw@nwnatural.com>]
Sent: Monday, November 27, 2017 5:34 PM
To: Sheldrake, Sean <sheldrake.sean@epa.gov>
Cc: Ryan Barth <rbarth@anchorqea.com>
Subject: RE: [External]RE: Gasco Sediments Project Next Steps (sf4)

Hi Sean,

Here is the draft agenda for our meeting on the 4th. It includes recommended discussion topics for each agenda item and suggested discussion windows. Please let us know if you have any edits you'd like us to make. Once

finalized we will send out the meeting notice with the agenda included.

DRAFT AGENDA

9:30 - 9:45: Introductions and opening remarks

9:45 - 10:15: RALs vs. Cleanup Levels

Topic Notes: See General Comment #3 and Specific Comments #37 and #92. Discuss how RALs and cleanup levels will be applied during remedial design (for both dredging and capping) and subsequent long-term monitoring.

10:15 to 10:45: Dredge Performance Standard

Topic Notes: See Specific Comments #92 and #98. Discuss the dredge performance standard to be used as the basis for dredging completion and any associated requirements for pre-remedial design sediment characterization.

10:45 – 11:15: Capping Points of Compliance

Topic Notes: See General Comment #4 and Specific Comments #55, #58, and #59. Discuss the point of compliance to be used for capping demonstrations.

11:15 – 12:00 Capping Model

Topic Notes: See Specific Comment #60. Discuss the identified capping limitations and why other cap models should be considered.

12:00 – 12:15 Post-Cap Elevations

Topic Notes: See Specific Comment #91. Discuss flexibility to increase existing sediment elevations by placement of caps (without prior dredging) through habitat and flood rise evaluations.

12:15 – 12:25 Potentially Sensitive Areas

Topic Notes: See Specific Comment #99. Discuss how sensitive areas would be identified in accordance with this comment.

12:25 – 12:35 Functional Structure Determination

Topic Notes: See Specific Comment #105. Discuss how EPA's text revision pertains to the Functional Structure Determination section of the Work Plan given it removes any mention of structural function, permanence, or need from the section's design objectives.

12:35 – 12:45 No Net Flood Rise Methodology

Topic Notes: See Specific Comment #115. Discuss EPA's requirement to base the no net flood rise on the use of the Portland Harbor HEC-RAS model given the models inability to achieve the FEMA precision requirement of 0.01 feet.

12:45 – 1:00 – Next Steps, closing remarks, and any other items

Thank you,

Bob

From: Sheldrake, Sean [sheldrake.sean@epa.gov]

Sent: Monday, November 27, 2017 10:07 AM

To: Wyatt, Robert

Cc: Lance Peterson (PetersonLE@cdmsmith.com); Ryan Barth; Jen Mott; Schroeder, Paul R CIV USARMY CEERD-EL (US); Gustavson, Karl; Scott Coffey; (b) (6)

Subject: RE: [External]RE: Gasco Sediments Project Next Steps (sf4)

Thank you Bob. S

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From: Wyatt, Robert [<mailto:rjw@nwnatural.com>]

Sent: Monday, November 27, 2017 10:04 AM

To: Sheldrake, Sean <sheldrake.sean@epa.gov>

Cc: Lance Peterson (PetersonLE@cdmsmith.com) <PetersonLE@cdmsmith.com>; Ryan Barth <rbarth@anchoragea.com>; Jen Mott <jmott@anchoragea.com>; Schroeder, Paul R CIV USARMY CEERD-EL (US) <Paul.R.Schroeder@usace.army.mil>; Gustavson, Karl <Gustavson.Karl@epa.gov>; Scott Coffey <coffeyse@cdmsmith.com>; (b) (6)

Subject: RE: [External]RE: Gasco Sediments Project Next Steps (sf3)

Thanks, Sean. We will send you a draft agenda later today with topics and a best guess as how long we should allocate to each during our meeting window. Once you've reviewed that and it is finalized we can send out the invite with the agenda included.

Bob

From: Sheldrake, Sean [sheldrake.sean@epa.gov]

Sent: Monday, November 27, 2017 9:16 AM

To: Wyatt, Robert

Cc: Lance Peterson (PetersonLE@cdmsmith.com); Ryan Barth; Jen Mott; Schroeder, Paul R CIV USARMY CEERD-EL (US); Gustavson, Karl; Scott Coffey; (b) (6)

Subject: RE: [External]RE: Gasco Sediments Project Next Steps (sf3)

Bob,

How about we plan for 930-1 at EPA on 12/4 (PST). I'd be amenable to doing a follow up with the TCT, but if NWN could prepare a more detailed agenda that will help me pre/post brief them (specific comments we'd like to dig into). At a minimum though, I'd like to have DEQ and Siltronic on, unless you object?

For the dredge prism characterization /confirmation aspects, I'd like to make sure we have Karl and

Kern on, so having that in a timeslot would be helpful, and clearly key cap design aspects so that we can slot time for Paul.

If possible, if you could send out an invite with a call in and draft agenda, that would be most appreciated.

Thank you.

S

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From: Wyatt, Robert [<mailto:rjw@nwnatural.com>]
Sent: Wednesday, November 22, 2017 1:52 PM
To: Sheldrake, Sean <sheldrake.sean@epa.gov>
Cc: Lance Peterson (PetersonLE@cdmsmith.com) <PetersonLE@cdmsmith.com>; Ryan Barth <rbarth@anchoragea.com>; Jen Mott <jmott@anchoragea.com>; Schroeder, Paul R CIV USARMY CEERD-EL (US) <Paul.R.Schroeder@usace.army.mil>; Gustavson, Karl <Gustavson.Karl@epa.gov>
Subject: RE: [External]RE: Gasco Sediments Project Next Steps (sf2)

Sean,

With regard to the timing, a 9:00 to 1:00 session would be great, but I understand if time is tight for your team and 10:00 to 1:00 would also work for us. We would be happy to host at the AQ offices or meet at EPA, whichever is most convenient for you.

In terms of attendance, it was my understanding that the purpose of this meeting is for EPA and NW Natural to work out the more nuanced details of the issues we discussed with the full TCT at the last meeting. I would prefer to remain true to that objective and keep this meeting focused on discussing detailed technical issues with the core EPA and NWN team members. I do not object to scheduling a follow-up meeting with the TCT.

Happy Thanksgiving to all,

Bob

From: Sheldrake, Sean [sheldrake.sean@epa.gov]
Sent: Tuesday, November 21, 2017 11:07 AM
To: Wyatt, Robert
Cc: Lance Peterson (PetersonLE@cdmsmith.com); Ryan Barth; Jen Mott; Schroeder, Paul R CIV USARMY CEERD-EL (US); Schroeder, Paul R CIV USARMY CEERD-EL (US); Gustavson, Karl
Subject: RE: [External]RE: Gasco Sediments Project Next Steps (sf2)

Hi Bob, 12/4 works for Paul, Karl, and I. If you're willing to come up to Seattle, that would be great. QEA or EPA, timing? I'm flexible... I've reserved a room at EPA from 9-1 just in case. Karl leaves at noon PST, fyi. If we could invite the TCT again, that would be very helpful (I can forward the invite after you send to EPA/USACE/Siltronic?).

As you wish, we can have a session at the beginning or end with a small group?

Thank you.

S

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From: Wyatt, Robert [<mailto:rjw@nwnatural.com>]
Sent: Monday, November 20, 2017 2:30 PM
To: Sheldrake, Sean <sheldrake.sean@epa.gov>
Cc: Lance Peterson (PetersonLE@cdmsmith.com) <PetersonLE@cdmsmith.com>; Ryan Barth <rbarth@anchoragea.com>; Jen Mott <jmott@anchoragea.com>; Schroeder, Paul R CIV USARMY CEERD-EL (US) <Paul.R.Schroeder@usace.army.mil>
Subject: RE: [External]RE: Gasco Sediments Project Next Steps (sf)

Thank you, Sean. Ryan and I both available on the 4th and 7th. I've currently got a conflict on the 8th, but I may be able to reschedule if necessary. I would be happy to travel to meet in person in Seattle on the 4th.

Bob

From: Sheldrake, Sean [sheldrake.sean@epa.gov]
Sent: Monday, November 20, 2017 12:59 PM
To: Wyatt, Robert
Cc: Lance Peterson (PetersonLE@cdmsmith.com); Ryan Barth; Jen Mott; Schroeder, Paul R CIV USARMY CEERD-EL (US)
Subject: [External]RE: Gasco Sediments Project Next Steps (sf)

Bob,

That process is acceptable to EPA. I've looked at calendars for Karl and myself and we have 9-12 PST on Monday 12/4, 930-11 on Thursday 12/7, and 9-12 on Friday 12/8 open. Perhaps we could do calls on one or more of those days to capture Karl and Paul for shorter periods of time for key issues.

Paul, do any of those timeslots work for you to go over comments particular to cap design?

Thank you.

S

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From: Wyatt, Robert [<mailto:rjw@nwnatural.com>]
Sent: Monday, November 20, 2017 12:37 PM
To: Sheldrake, Sean <sheldrake.sean@epa.gov>
Cc: Lance Peterson (PetersonLE@cdmsmith.com) <PetersonLE@cdmsmith.com>; Ryan Barth <rbarth@anchoragea.com>; Jen Mott <jmott@anchoragea.com>
Subject: Gasco Sediments Project Next Steps

Hi Sean,

During our meeting last Tuesday, you requested that we provide proposed next steps for responding to EPA's comments on the Pre-Remedial Basis of Design Technical Evaluations Work Plan, and for subsequent finalization of the Work Plan.

For your review and approval, here is our proposed process:

1. Schedule technical work session(s) for EPA (including Karl Gustavson and Paul Schroeder) and NW Natural (Bob and Ryan) to discuss the details of the outstanding issues we identified last Tuesday. We suggest targeting the week of December 4 for these meetings, subject to availability.
2. After the technical work sessions, NW Natural will develop proposed responses to the Work Plan comments. Once those are drafted, we will schedule a meeting between EPA and NW Natural to discuss the proposed responses prior to submitting them in writing. This meeting will be scheduled following the completion of step 1.
3. NW Natural will submit both the response to comments and the Final Pre-Remedial Basis of Design Technical Evaluations Work Plan within 60 days of EPA and NW Natural agreement that step 2 has been completed.

Please let me know if you have any questions,

Thank you,

Bob